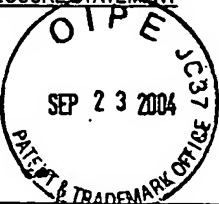


|  |                                |                            |
|--|--------------------------------|----------------------------|
| FORM PTO-1449<br>INFORMATION DISCLOSURE STATEMENT<br> | MMB DOCKET NO. 1890-0032       | APPLICATION NO.: 10750,405 |
|  | APPLICANT(S): Herzum           |                            |
|  | FILING DATE: December 31, 2003 | GROUP ART UNIT: 2812       |

| U.S. PATENT DOCUMENTS |    |                 |                    |              |       |           |             |
|-----------------------|----|-----------------|--------------------|--------------|-------|-----------|-------------|
| EXAMINER INITIAL      |    | DOCUMENT NUMBER | DATE               | NAME         | CLASS | SUB-CLASS | FILING DATE |
| GN                    | AA | 4,282,648       | August 11, 1981    | Yu et al.    | —     | —         | —           |
|                       | AB | 4,803,179       | February 7, 1989   | Neppl et al. | —     | —         | —           |
|                       | AC | 4,868,136       | September 19, 1989 | Ravaglia     | —     | —         | —           |
|                       | AD | 5,254,489       | October 19, 1993   | Nakata       | —     | —         | —           |
|                       | AE | 5,801,416       | September 1, 1998  | Choi et al.  | —     | —         | —           |
|                       | AF | 6,025,234       | February 15, 2000  | Chou         | —     | —         | —           |
| GN                    | AG | 6,150,220       | November 21, 2000  | Huh et al.   | —     | —         | —           |
|                       | AH |                 |                    |              |       |           |             |
|                       | AI |                 |                    |              |       |           |             |
|                       | AJ |                 |                    |              |       |           |             |
|                       | AK |                 |                    |              |       |           |             |


  

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE         | COUNTRY | CLASS | SUB-CLASS | TRANSLATION        |
|------------------|----|-----------------|--------------|---------|-------|-----------|--------------------|
| GN               | AL | DE 31 10 477 C2 | May 31, 1990 | Germany | —     | —         | Yes<br>Abstract No |
| GN               | AM | EP 0 399 527 A2 | May 23, 1990 | Europe  | —     | —         | Yes<br>Abstract No |
|                  | AN |                 |              |         |       |           | Yes<br>No          |
|                  | AO |                 |              |         |       |           | Yes<br>No          |
|                  | AP |                 |              |         |       |           | Yes<br>No          |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |   |  |
|--|----|---|--|
| GN   | AQ | 1 | English Translation of Abstract for Japanese Publication No. 02087675, March 28, 1990. |
|  | AR | 1 |  |
|  | AS | 1 |  |

|   |                 |
|---|-----------------|
| EXAMINER  | DATE CONSIDERED |
|  | 04/28/05        |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicants.